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Solid Earth Programs

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Earth and Environmental Sciences (EES) Division Solid Earth Programs

3 Groups:

EES-14 Earth System Observations

- Atmosphere, Climate and Ecosystem Science
- Radio-Chemistry
- Geology, Geochemistry, and Geomaterials

EES-16 Computational Earth Sciences

- Atmosphere and Weapons Phenomenology
- Subsurface Flow and Transport

EES-17 Geophysics

- Geophysical Monitoring and Characterization
- Geodynamics
- Wave Physics

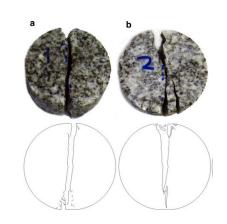




EES-17 Geophysics Group Overview

Major Focus Areas: Seismology, Infrasound, Material Deformation Modeling, Acoustics, Geodynamics



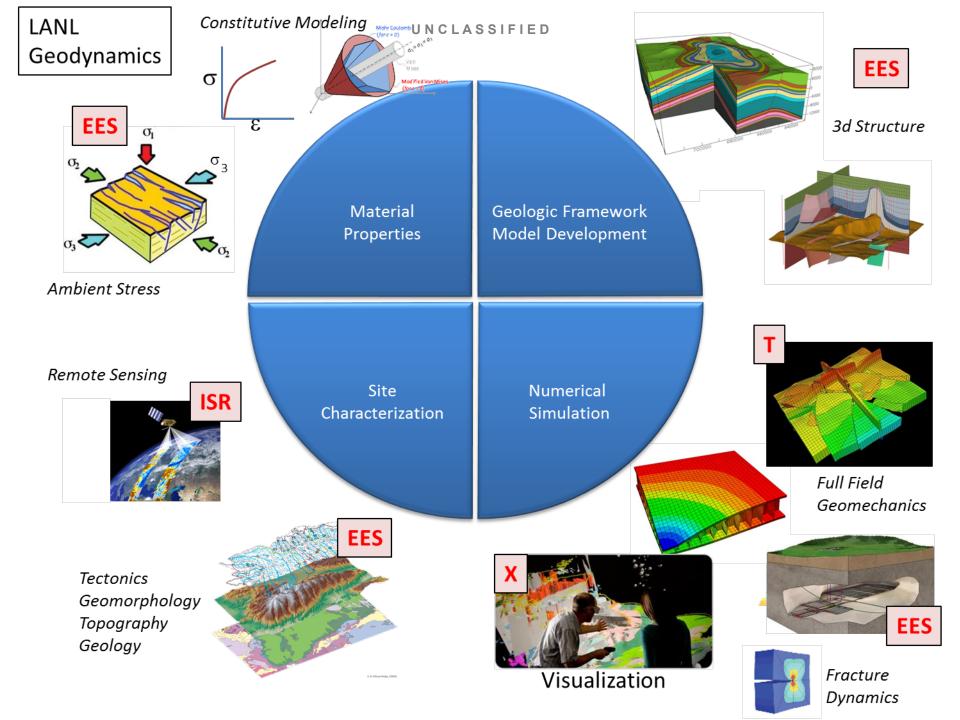




Program Areas:

- Nuclear energy, fossil energy, renewable energy
- Weapons program and effects, containment
- Nuclear detonation monitoring, CTBT, threat reduction
- Acoustic non-destructive evaluation
- Earthquake triggering, natural hazards
- Medical imaging





EES-17 Growth Areas: Where are we going?

- Programmatic Growth Areas
 - Nuclear Nonproliferation
 - Proliferation Detection / Treaty Support
 - Hard and Deeply Buried Targets
 - Locate, characterize, defeat
 - Geo-Abaqus (GAMUT) (model, simulation, visualization)
 - Seismic Hazard / Volcanic Hazard / LASN
 - NDE (nuclear energy, weapons program, industrial)
 - WFO sponsors (CRADA)







